



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

June 14, 2017

Gregory C. Mattern
Regulatory Manager
Nufarm Americas, Inc.
4020 Aerial Center Parkway, Suite 101
Morrisville, NC 27560

Subject: Notification per PRN 98-10 – Marketing claims
Product Name: Viper Weed and Feed (20#/5M)
EPA Registration Number: 228-413
Application Date: April 21, 2017
Decision Number: 529113

Dear Mr. Mattern:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance. If you have any questions, you may contact Mindy Ondish at 703-605-0723 or via email at ondish.mindy@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Mindy Ondish for".

Kathryn V. Montague
Product Manager 23
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

VIPER® WEED AND FEED (20#/5M)

THIS PRODUCT IS A PREMIUM GRADE HERBICIDE AND TURF FOOD COMBINATION WHICH CONTROLS A WIDE SPECTRUM OF BROADLEAF WEEDS WHILE PROVIDING BOTH FAST AND LONG FEEDING ACTION.

CONTAINS 2,4-D, MECOPROP-p AND DICAMBA

Weeds contacted by this product gradually die and disappear from the lawn.
Treats (or covers) 5,000 Square Feet (50' x 100')

GET THE OPTICAL ADVANTAGE®

ACTIVE INGREDIENTS:

Isooctyl (2-ethylhexyl) Ester of 2,4-Dichlorophenoxyacetic Acid*	1.077%
2,4-Dichlorophenoxyacetic Acid*	0.146%
(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**‡	0.287%
Dicamba (3,6-Dichloro-o-Anisic Acid)***	0.070%

OTHER INGREDIENTS:	<u>98.420%</u>
TOTAL:	100.000%

Isomer Specific Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid (Total)	0.860%
**(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid	0.287%
***3,6-Dichloro-o-Anisic Acid	0.070%

‡CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p

GUARANTEED ANALYSIS:°

Total Nitrogen (N)	X%
X% Ammoniacal Nitrogen	
X% Urea Nitrogen	
Available Phosphate (P ₂ O ₅)	X%
Soluble Potash (K ₂ O)	X%
Primary Plant Foods derived from Ammonium Phosphate, Sulfur Coated Urea, Urea, Triple Super Phosphate, and Muriate of Potash.	
Chlorine (Cl) Maximum	X%

The urea nitrogen in this product has been coated to provide X% coated slow release urea nitrogen.
Fertilizer guaranteed by (Name of fertilizer registrant)

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

SEE BACK PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

NOTIFICATION

228-413

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

06/14/2017

EPA REG. NO. 228-413
EPA EST. NO. 228-IL-1

Manufactured For
NUFARM AMERICAS INC.
11901 S. Austin Ave
Alsip, IL 60803



NET WEIGHT 20 Lbs. (9.07Kg)

000228-00413.20170421.COM_NOTIF (HL)

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are any waterproof materials. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators, flaggers, and other handlers must wear:

- long-sleeved shirt and long pants,
- shoes and socks, plus
- chemical-resistant gloves (except for applicators using groundboom equipment)

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF IN EYES

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

This pesticide may be toxic to fish and aquatic invertebrates and may be adversely affect non-target plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.**

Do not enter or allow people (or pets) to enter the treated area until dusts have settled. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Do not use this product on or near desirable plants, including within the dripline of the roots of desirable trees and shrubs, since injury may result.

This product is a stable mixture of four herbicides. It is for use on Ornamental Turf lawns (Residential, Industrial and Institutional), Parks, Cemeteries, Athletic Fields and Golf Courses (Fairways, Aprons, Tees and Roughs) and similar turf areas.

This product may be used on Bahia, common Bermuda, Blue Grass, Centipede, Fescue, Rye, St. Augustine, and Zoysia grass. **DO NOT USE** on Dichondra and Carpet grass. **DO NOT USE** this product where desirable clovers are present or allow the product to "wind drift" onto flowers, vegetables, ornamentals, shrubs, trees or other desirable plants.

This product is designed to promote lush green growth in lawns and controls many broadleaf weeds such as:

Alder	Creeping jenny	Lambsquarter	Poorjoe	Tansy ragwort
Annual yellow	Crimson clover	Lespedeza	Povertyweed	Tanweed
sweet clover	Croton	Locoweed	Prickly lettuce	Tarweed
Artichoke	Cudweed	Lupine	Prickly sida	Thistle
Aster	Curly dock	Mallow	Primrose	Tick trefoil
Austrian fieldcress	Curly indigo	Marshelder	Prostrate knotweed	Toadflax
Bedstraw	Dandelion	Matchweed	Prostrate pigweed	Trailing Crownvetch
Beggartick	Dead nettle	Mexicanweed	Prostrate spurge	Tumble mustard
Biden	Dock	Milk vetch	Prostrate vervain	Tumble pigweed
Bindweed	Dogbane	Milkweed bloodflower	Puncture vine	Tumbleweed
Bird vetch	Dogfennel	Mugwort	Purslane	Velvet leaf
Bitterweed	Elderberry	Morningglory	Ragweed	Venice mallow
Bitter wintercress	English daisy	Mouseear chickweed	Red clover	Veronica
Black-eyed Susan	Fall dandelion	Musk thistle	Redroot pigweed	Vervain
Black medic	False dandelion	Mustard	Red sorrel	Vetch
Black mustard	False flax	Narrowleaf plantain	Redstem filaree	Virginia buttonweed
Blackseed plantain	False sunflower	Narrowleaf vetch	Rough cinquefoil	Virginia creeper
Blessed thistle	Fiddleneck	Nettle	Rough fleabane	Virginia pepperweed
Blue lettuce	Field bindweed	Orange hawkweed	Roundleafed marigold	Wavyleaf bullthistle
Blue vervain	Field pansy	Oxalis	Rush	Western clematis
Box elder	Flea bane (daisy)	Oxeye daisy	Russian pigweed	Western salsify
Bracted plantain	Flixweed	Parsley-piert	Russian thistle	White clover
Brassbuttons	Florida betony	Parsnip	St. Johnswort	White mustard
Bristly oxtongue	Florida pusley	Pearlwort	Scarlet pimpernel	Wild mustard
Broadleaf dock	Frenchweed	Pennycress	Scotch thistle	Wild aster
Broadleaf plantain	Galinsoga	Pennywort	Sheep sorrel	Wild buckwheat
Broomweed	Garlic mustard	Peppergrass	Shepherdspurse	Wild carrot
Buckhorn	Goathead	Pepperweed	Slender plantain	Wild four-o'clock
Buckhorn plantain	Goatsbeard	Pigweed	Smallflower galinsoga	Wild garlic
Bulbous buttercup	Goldenrod	Pineywoods bedstraw	Smartweed	Wild geranium
Bull nettle	Ground ivy	Plains coreopsis	Smooth dock	Wild lettuce
Bull thistle	Gumweed	Plantain	Smooth pigweed	Wild marigold
Burdock	Hairy bittercress	Musk thistle	Sneezeweed	Wild onion
Burning nettle	Hairy fleabane	Mustard	Southern wild rose	Wild parsnip
Bur ragweed	Hawkweed	Narrowleaf plantain	Sowthistle	Wild radish
Burweed	Healall	Narrowleaf vetch	Spanishneedle	Wild rape
Buttercup	Heartleaf drymary	Nettle	Spatterdock	Wild strawberry
Canada thistle	Hedge bindweed	Orange hawkweed	Speedwell	Wild sweet potato
Carolina geranium	Hedge mustard	Oxalis	Spiny Amaranth	Wild vetch
Carpetweed	Hemp	Oxeye daisy	Spiny cocklebur	Willow
Catchweed bedstraw	Henbit	Parsley-piert	Spotted catsear	Witchweed
Catsear	Hoary cress	Parsnip	Spotted knapweed	Woolly morningglory
Catnip	Hoary plantain	Pearlwort	Spotted spurge	Woodsorrel
Chickweed	Hoary vervain	Pennycress	Spurge	Woolly croton
Chicory	Honeysuckle	Pennywort	Spurweed	Woolly plantain
Cinquefoil	Hop clover	Peppergrass	Stinging nettle	Wormseed
Clover	Horsenettle	Pepperweed	Stinkweed	Yarrow
Cockle	Horsetail	Pigweed	Stitchwort	Yellow rocket
Cocklebur	Indiana mallow	Pineywoods bedstraw	Strawberry clover	Yellowflower
Coffeebean	Ironweed	Plains coreopsis	Sumac	pepperweed, and
Coffeeweed	Jewelweed	Plantain	Sunflower	other broadleaf weeds
Common chickweed	Jimsonweed	Poison hemlock	Sweet clover	
Common mullein	Kochia	Poison ivy	Tall nettle	
Common sowthistle	Knawel	Poison oak	Tall vervain	
Corn	Knotweed	Pokeweed	Tansy mustard	
Chamomile				

WHEN TO APPLY: Best results are obtained when weeds are growing actively in spring or early fall. Avoid contact with desirable shrubs, plants, vegetables, or flowers; especially when applying with a rotary (spinner) type spreader. Do not reseed for at least 3 to 4 weeks after application. Do not apply to newly seeded or sodded lawn until after 3 mowings. For optimum results (1) Avoid mowing 1 to 2 days before and after application; (2) Apply when grass is moist (after a rain sprinkling or dew); (3) Avoid unnecessary disturbances, including watering of treated areas for 48 hours after application. Watering will wash off weed killing material; and (4) Avoid applying if rainfall is expected within 48 hours following treatment. Possible retreatment in approximately 30 days may be necessary if lawn is heavily overrun with weeds or if adverse low moisture conditions prevail and weeds are in a state of poor growth. Do not exceed recommended rates because damage to turf may occur.

NOTE: When applying to Southern Grasses - under conditions of inadequate moisture, high temperature and high humidity, over-application may cause minor transitory discoloration on Centipede and St. Augustine grasses. It is recommended that during hot, dry conditions, application rates should be reduced 50% to avoid possible dehydration or browning of grass.

HOW TO APPLY: This 20 pound bag should be used on 5,000 square feet. Apply evenly with a lawn spreader as a one pass application. A two pass application, criss-crossing the area at half the rate each time is equal to one application.

The following settings are approximate for applying contents of this package at a suggested rate of 4 pounds per 1,000 square feet. Settings are based on an average walking speed. Reduce setting for slower speed; raise setting for higher speed. Check your spreader on 250 square feet and adjust to apply at the rate of 1 pound per 250 square feet.

**SPREADER SETTINGS
ONE PASS APPLICATION^o**

<u>MAKE</u>	<u>SETTING</u>
Central Calibrated	5
Cyclone Broadcast	3-3/4
Jackson	5
Sears Broadcast	3
Sears	5
Scotts Calibrated	4

Sweep (do not wash) all fertilizer materials from surfaces immediately after application, because certain fertilizer ingredients can cause permanent stains. Wash out spreader after each use and allow it to dry thoroughly. Treat any exposed metal spreader areas with oil to reduce corrosion.

(The following paragraph is mandatory in Kentucky when the nitrogen analysis does not provide 1 pound of nitrogen per 1,000 square feet; otherwise, this information is optional.)

A lawn typically will utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing season. When used as directed, this product will supplement your regular fertilizer program by providing *(No. of lbs.) pounds of nitrogen per 1,000 square feet (optional P₂O₅ and K₂O levels) and herbicide to control listed weeds. Please consult your local extension office for questions regarding a regular fertilizer program.

*Based on Inert fertilizer claimed.

Limitations: The maximum rate per application is 4 pounds per 1,000 square feet, limited to 2 applications per year. The maximum seasonal rate is 8 pounds per 1,000 square feet. Minimum of 30 days between applications.

Environmental Benefits

(Grasscycling Logo)

Besides increasing property values, did you know a well-maintained lawn provides the following benefits to your home and environment:

- Grass clippings and yard waste are approximately 20% of the volume in our nation's landfills. To do your part to reduce this amount, leave grass clippings on your lawn. Increased mowing height and frequency will produce smaller grass clippings that will decompose more readily so nutrients go back into your lawn.*
- √ A 50' x 50' lawn produces enough oxygen for a family of 4 every day
- √ Reduces Glare & Reduces Noise
- √ Traps Dust, Smoke Particles & Other Pollutants
- √ Purifies Water & Modifies Temperature
- √ Improves Soil Condition & Controls Erosion

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Always use original container to store pesticides in a secured warehouse or storage building. Do not stack more than two pallets high. Do not store near open containers of fertilizer, seed or other pesticides.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. If container is damaged or if pesticide has leaked, clean up all spilled material. Improper disposal of excess pesticide, spray mixtures or rinsate is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available, or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

Viper and The Optical Advantage are Registered Trademarks of Nufarm Americas Inc.

OPTIONAL SPREADER INSTRUCTIONS:

(Illustration) For Drop Spreaders: First apply two strips at ends. Then apply product along the length of the lawn, overlapping very slightly and shutting off spreader when turning.

(Illustration) For Rotary Spreaders: Apply in a circular path, starting on the outside and working toward the center, overlapping very slightly.

CALIBRATION INSTRUCTIONS: To provide proper distribution, calibrate spreader before application. For 4.0 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 250 square feet and adjust to apply at the rate of 1 pound of product per 250 square feet.

The following note will not be part of the actual label copy.

^oNOTE: Guaranteed (fertilizer) Analysis and Spreader Settings will vary amount various commercial fertilizer manufacturers. Chlorine declaration and fertilizer guarantee are optional except where mandated by State fertilizer regulation.

Editor's notes: 1. Subregistrant Warranty Statements previously accepted by U.S. EPA for use on their own registered products are not included on this label.
2. Subregistrant's trademark name acknowledgments are not included on this label.

Alternate (Optional) Marketing and Fertilizer Statements

The Pro's Choice

Turf Care Supply Corp Manufacturing [company logo]

Premier Turf Products [company logo]

Fast acting

Fast acting green-up power plus iron

Kills dandelions

VIPER®

WEED AND FEED (20#/5M)

THIS PRODUCT IS A PREMIUM GRADE HERBICIDE AND TURF FOOD COMBINATION WHICH CONTROLS A WIDE SPECTRUM OF BROADLEAF WEEDS WHILE PROVIDING BOTH FAST AND LONG FEEDING ACTION.

CONTAINS 2,4-D, MECOPROP-p AND DICAMBA

Weeds contacted by this product gradually die and disappear from the lawn.

Treats (or covers) 5,000 Square Feet (50' x 100')

GET THE OPTICAL ADVANTAGE®

ACTIVE INGREDIENTS:

Isooctyl (2-ethylhexyl) Ester of 2,4-Dichlorophenoxyacetic Acid*	1.077%
2,4-Dichlorophenoxyacetic Acid*	0.146%
(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**‡	0.287%
Dicamba (3,6-Dichloro-o-Anisic Acid)***	0.070%

OTHER INGREDIENTS:	98.420%
TOTAL:	<u>100.000%</u>

Isomer Specific Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid (Total)	0.860%
**(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid	0.287%
***3,6-Dichloro-o-Anisic Acid	0.070%

‡CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p

GUARANTEED ANALYSIS:°

Total Nitrogen (N)	X%
X% Ammoniacal Nitrogen	
X% Urea Nitrogen	
Available Phosphate (P ₂ O ₅)	X%
Soluble Potash (K ₂ O)	X%
Primary Plant Foods derived from Ammonium Phosphate, Sulfur Coated Urea, Urea, Triple Super Phosphate, and Muriate of Potash.	
Chlorine (Cl) Maximum	X%

The urea nitrogen in this product has been coated to provide X% coated slow release urea nitrogen.
Fertilizer guaranteed by (Name of fertilizer registrant)

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE BACK PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-413
EPA EST. NO. 228-IL-1

Manufactured For
NUFARM AMERICAS INC.
11901 S. Austin Ave
Alsip, IL 60803



NET WEIGHT 20 Lbs. (9.07Kg)

000228-00413.20170421.RES_NOTIF (HL)

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wear long pants, long-sleeved shirt, socks and shoes when applying this product. After using this product, remove clothing and laundry separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water.

FIRST AID	
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application. Do not allow people or pets to enter the treated area until dusts have settled.

Do not apply directly to or near water, storm drains, gutters, sewers, or drainage ditches. Do not apply within 25 feet of rivers, fish ponds, lakes, streams, reservoirs, marshes, estuaries, bays, and oceans. Do not apply when windy. Apply this product directly to your lawn or garden, and sweep any product landing on the driveway, sidewalk, gutter, or street back onto the treated area. To prevent product run-off, do not over water the treated area(s) to the point of runoff or apply when raining or when rain is expected that day.

The maximum number of broadcast applications per treatment site is 2 per year.

The maximum rate per application is 4 pounds per 1000 square feet. The maximum seasonal rate is 8 pounds per 1,000 square feet. Minimum of 30 days between applications.

This product is a stable mixture of four herbicides. It is for use on residential turf.

This product may be used on Bahia, common Bermuda, Blue Grass, Centipede, Fescue, Rye, St. Augustine, and Zoysia grass. DO NOT USE on Dichondra and Carpet grass. DO NOT USE this product where desirable clovers are present or allow the product to "wind drift" onto flowers, vegetables, ornamentals, shrubs, trees or other desirable plants.

This product is designed to promote lush green growth in lawns and controls many broadleaf weeds such as:

Alder	Blue vervain	Carolina geranium	Croton	Flixweed
Annual yellow	Box elder	Carpetweed	Cudweed	Florida betony
sweet clover	Bracted plantain	Catchweed bedstraw	Curly dock	Florida pusley
Artichoke	Brassbuttons	Catsear	Curly indigo	Frenchweed
Aster	Bristly oxtongue	Catnip	Dandelion	Galinsoga
Austrian fieldcress	Broadleaf dock	Chickweed	Dead nettle	Garlic mustard
Bedstraw	Broadleaf plantain	Chicory	Dock	Goathead
Beggartick	Broomweed	Cinquefoil	Dogbane	Goatsbeard
Biden	Buckhorn	Clover	Dogfennel	Goldenrod
Bindweed	Buckhorn plantain	Cockle	Elderberry	Ground ivy
Bird vetch	Bulbous buttercup	Cocklebur	English daisy	Gumweed
Bitterweed	Bull nettle	Coffebean	Fall dandelion	Hairy bittercress
Bitter wintercress	Bull thistle	Coffeeweed	False dandelion	Hairy fleabane
Black-eyed Susan	Burdock	Common chickweed	False flax	Hawkweed
Black medic	Burning nettle	Common mullein	False sunflower	Healall
Black mustard	Bur ragweed	Common sowthistle	Fiddleneck	Heartleaf drymary
Blackseed plantain	Burweed	Corn chamomile	Field bindweed	Hedge bindweed
Blessed thistle	Buttercup	Creeping jenny	Field pansy	
Blue lettuce	Canada thistle	Crimson clover	Flea bane (daisy)	

(Continued)

Hedge mustard	Narrowleaf plantain	Ragweed	Spurge	Western salsify
Hemp	Narrowleaf vetch	Red clover	Spurweed	White clover
Henbit	Nettle	Redroot pigweed	Stinging nettle	White mustard
Hoary cress	Orange hawkweed	Red sorrel	Stinkweed	Wild mustard
Hoary plantain	Oxalis	Redstem filaree	Stitchwort	Wild aster
Hoary vervain	Oxeye daisy	Rough cinquefoil	Strawberry clover	Wild buckwheat
Honeysuckle	Parsley-piert	Rough fleabane	Sumac	Wild carrot
Hop clover	Parsnip	Roundleafed marigold	Sunflower	Wild four-o'clock
Horsenettle	Pearlwort	Rush	Sweet clover	Wild garlic
Horsetail	Pennycress	Russian pigweed	Tall nettle	Wild geranium
Indiana mallow	Pennywort	Russian thistle	Tall vervain	Wild lettuce
Ironweed	Peppergrass	St. Johnswort	Tansy mustard	Wild marigold
Jewelweed	Pepperweed	Scarlet pimpernel	Tansy ragwort	Wild onion
Jimsonweed	Pigweed	Scotch thistle	Tanweed	Wild parsnip
Kochia	Pineywoods bedstraw	Sheep sorrel	Tarweed	Wild radish
Knawel	Plains coreopsis	Shepherdspurse	Thistle	Wild rape
Knotweed	Plantain	Slender plantain	Tick trefoil	Wild strawberry
Lambsquarter	Poison hemlock	Smallflower galinsoga	Toadflax	Wild sweet potato
Lespedeza	Poison ivy	Smartweed	Trailing Crownvetch	Wild vetch
Locoweed	Poison oak	Smooth dock	Tumble mustard	Willow
Lupine	Pokeweed	Smooth pigweed	Tumble pigweed	Witchweed
Mallow	Poorjoe	Sneezeweed	Tumbleweed	Woolly morningglory
Marshelder	Povertyweed	Southern wild rose	Velvet leaf	Woodsorrel
Matchweed	Prickly lettuce	Sowthistle	Venice mallow	Woolly croton
Mexicanweed	Prickly sida	Spanishneedle	Veronica	Woolly plantain
Milk vetch	Primrose	Spatdock	Vervain	Wormseed
Milkweed bloodflower	Prostrate knotweed	Speedwell	Vetch	Yarrow
Mugwort	Prostrate pigweed	Spiny Amaranth	Virginia buttonweed	Yellow rocket
Morningglory	Prostrate spurge	Spiny cocklebur	Virginia creeper	Yellowflower
Mousear chickweed	Prostrate vervain	Spotted catsear	Virginia pepperweed	pepperweed, and
Musk thistle	Puncture vine	Spotted knapweed	Wavyleaf bullthistle	other broadleaf
Mustard	Purslane	Spotted spurge	Western clematis	weeds.

WHEN TO APPLY: Best results are obtained when weeds are growing actively in spring or early fall. Avoid contact with desirable shrubs, plants, vegetables, or flowers; especially when applying with a rotary (spinner) type spreader. Do not reseed for at least 3 to 4 weeks after application. Do not apply to newly seeded or sodded lawn until after 3 mowings. For optimum results (1) Avoid mowing 1 to 2 days before and after application; (2) Apply when grass is moist (after a rain sprinkling or dew); (3) Avoid unnecessary disturbances, including watering of treated areas for 48 hours after application. Watering will wash off weed killing material; and (4) Avoid applying if rainfall is expected within 48 hours following treatment. Possible retreatment in approximately 30 days may be necessary if lawn is heavily overrun with weeds or if adverse low moisture conditions prevail and weeds are in a state of poor growth. Do not exceed recommended rates because damage to turf may occur.

NOTE: When applying to Southern Grasses - under conditions of inadequate moisture, high temperature and high humidity, over-application may cause minor transitory discoloration on Centipede and St. Augustine grasses. It is recommended that during hot, dry conditions, application rates should be reduced 50% to avoid possible dehydration or browning of grass.

HOW TO APPLY: This 20 pound bag should be used on 5,000 square feet. Apply evenly with a lawn spreader as a one pass application. A two pass application, criss-crossing the area at half the rate each time is equal to one application.

The following settings are approximate for applying contents of this package at a suggested rate of 4 pounds per 1,000 square feet. Settings are based on an average walking speed. Reduce setting for slower speed; raise setting for higher speed. Check your spreader on 250 square feet and adjust to apply at the rate of 1 pound per 250 square feet.

**SPREADER SETTINGS
ONE PASS APPLICATION[®]**

<u>MAKE</u>	<u>SETTING</u>
Central Calibrated	5
Cyclone Broadcast	3-3/4
Jackson	5
Sears Broadcast	3
Sears	5
Scotts Calibrated	4

Sweep (do not wash) all fertilizer materials from surfaces immediately after application, because certain fertilizer ingredients can cause permanent stains. Wash out spreader after each use and allow it to dry thoroughly. Treat any exposed metal spreader areas with oil to reduce corrosion.

(The following paragraph is mandatory in Kentucky when the nitrogen analysis does not provide 1 pound of nitrogen per 1,000 square feet; otherwise, this information is optional.)

A lawn typically will utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing season. When used as directed, this product will supplement your regular fertilizer program by providing **(No. of lbs.)* pounds of nitrogen per 1,000 square feet (optional P₂O₅ and K₂O levels) and herbicide to control listed weeds. Please consult your local extension office for questions regarding a regular fertilizer program.

*Based on inert fertilizer claimed.

Environmental Benefits

(Grasscycling Logo)

Besides increasing property values, did you know a well-maintained lawn provides the following benefits to your home and environment:

Grass clippings and yard waste are approximately 20% of the volume in our nation's landfills. To do your part to reduce this amount, leave grass clippings on your lawn. Increased mowing height and frequency will produce smaller grass clippings that will decompose more readily so nutrients go back into your lawn.

- ✓ A 50' x 50' lawn produces enough oxygen for a family of 4 every day
- ✓ Reduces Glare & Reduces Noise
- ✓ Traps Dust, Smoke Particles & Other Pollutants
- ✓ Purifies Water & Modifies Temperature
- ✓ Improves Soil Condition & Controls Erosion

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container and keep any bags containing unused product in locked storage area inaccessible to children and domestic animals. Do not store near feed or foodstuffs. To prevent cross-contamination, do not store near open containers of fertilizer, seed, or other pesticides.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

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OPTIONAL SPREADER INSTRUCTIONS:

(Illustration) For Drop Spreaders: First apply two strips at ends. Then apply product along the length of the lawn, overlapping very slightly and shutting off spreader when turning.

(Illustration) For Rotary Spreaders: Apply in a circular path, starting on the outside and working toward the center, overlapping very slightly.

The following note will not be part of the actual label copy.

^oNOTE: Guaranteed (fertilizer) Analysis and Spreader Settings will vary amount various commercial fertilizer manufacturers. Chlorine declaration and fertilizer guarantee are optional except where mandated by State fertilizer regulation.

Editor's notes: 1. Subregistrant Warranty Statements previously accepted by U.S. EPA for use on their own registered products are not included on this label.
2. Subregistrant's trademark name acknowledgments are not included on this label.

Alternate (Optional) Marketing and Fertilizer Statements

Turf Care Supply Corp Manufacturing [company logo]

Premier Turf Products [company logo]

Fast acting

Fast acting green-up power plus iron

Kills dandelion